

TEST REPORT

Applicant: MID OCEAN BRANDS BV
7/F, KINGS TOWER,
111 KING LAM STREET,
CHEUNG SHA WAN,
KOWLOON
HK
Attn: GARY YUEN

Number: HKGH02493548
Date: Aug 15, 2019

Submitted sample said to be :
Item Name : **Yellow AGR material/ Grey AGR material**
Quantity : One bag per style



Conclusion:
The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

Requirement	Result
(1) BS EN 13356:2001 Visibility accessories for non-professional use - Test methods and requirements (Partial Test)	See detail enclosed

For and on behalf of :
Intertek Testing Services HK Ltd.

Cindy I.K. Chan
Director



TEST REPORT

Number : HKGH02493548

(1) Performance Tests for Visibility Accessories for Non-Professional Use

Test Standard : BS EN 13356:2001 Visibility accessories for non-professional use - Test methods and requirements (Partial Test)

Number of samples tested: Two (2) pieces per style; total two (2) styles.

Type of accessories: Flexible, Type 2 - Removable accessory

Note :

- 1) The submitted samples did not fall into the scope of the standard and the result was adopted as reference.
- 2) For type 2 and 3 accessories, there is a minimum CIL value of $R = 400\text{mcd/lx}$ in all directions around the person at $\alpha = 0.33^\circ$, $\beta_1 = +5^\circ$. However, it is not possible within the scope of this test to check that the minimum CIL value of R can be achieved in all directions around a wearer. This particular requirement is dependant on the number attached and the placement of these retro-reflectors on a garment / wearer.

Clause	Requirement	Result
4.2	Specific requirements for different types of accessories	
4.2.2	Photometric requirements	P
4.2.3	Abrasion resistance (brush resistance)	P

Abbreviation : P = Pass



TEST REPORT

Number : HKGH02493548

Test data:

Clause 4.2.2 / Photometric test (as received)

Observation angle, α	Entrance angle, β		Requirement (R') (cd/lx.m ²)	Measured value (R') (cd/lx.m ²)	
	β_1	β_2		Grey sample	Yellow sample
0.2°	+5°	0°	110	955.5	912.5
	+20°	0°	80	798.5	746.3
0.33°	+5°	0°	80	561.5	523.3
	+20°	0°	60	564.8	540.3
1.5°	+5°	0°	4	31.6	31.3
	+20°	0°	3	28.1	32.4

Clause 4.2.3 / Photometric test after test exposure 1 (5.3 Abrasion test)

Observation angle, α	Entrance angle, β		Requirement (R') (cd/lx.m ²)	Measured value (R') (cd/lx.m ²)	
	β_1	β_2		Grey sample	Yellow sample
0.2°	+5°	0°	110	845.3	827.5
	+20°	0°	80	456.5	670.0
0.33°	+5°	0°	80	423.0	398.3
	+20°	0°	60	432.3	395.8
1.5°	+5°	0°	4	38.2	42.1
	+20°	0°	3	41.0	35.7

Date sample received : Aug 01, 2019
 Testing period : Aug 01, 2019 to Aug 13, 2019

End of report

Except where explicitly agreed in writing, all work and services performed by Intertek is subject to our standard Terms and Conditions which can be obtained at our website: <http://www.intertek.com/terms/>. Intertek's responsibility and liability are limited to the terms and conditions of the agreement.

This report is made solely on the basis of your instructions and / or information and materials supplied by you and provide no warranty on the tested sample(s) be truly representative of the sample source. The report is not intended to be a recommendation for any particular course of action, you are responsible for acting as you see fit on the basis of the report results. Intertek is under no obligation to refer to or report upon any facts or circumstances which are outside the specific instructions received and accepts no responsibility to any parties whatsoever, following the issue of the report, for any matters arising outside the agreed scope of the works. This report does not discharge or release you from your legal obligations and duties to any other person. You are the only one authorized to permit copying or distribution of this report (and then only in its entirety). Any such third parties to whom this report may be circulated rely on the content of the report solely at their own risk.

This report shall not be reproduced, except in full.

